

OIPE

RAW SEQUENCE LISTING DATE: 10/21/2002 PATENT APPLICATION: US/09/997,425 TIME: 16:04:02

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Output Set: N:\CRF4\10212002\I997425.raw

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3 <110> APPLICANT: Edinger et al.
 5 <120> TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoding Same
 7 <130> FILE REFERENCE: 21402-175CIP1
 9 <140> CURRENT APPLICATION NUMBER: 09/997,425
10 <141> CURRENT FILING DATE: 2001-11-29
12 <150> PRIOR APPLICATION NUMBER: 60/242,485
13 <151> PRIOR FILING DATE: 2000-10-23
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15 <150> PRIOR APPLICATION NUMBER: 60/263,339
16 <151> PRIOR FILING DATE: 2001-01-22
18 <150> PRIOR APPLICATION NUMBER: 60/264,850
19 <151> PRIOR FILING DATE: 2001-01-29
21 <150> PRIOR APPLICATION NUMBER: 10/035,568
22 <151> PRIOR FILING DATE: 2001-10-22
24 <160> NUMBER OF SEQ ID NOS: 92
26 <170> SOFTWARE: PatentIn Ver. 2.1
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30 <212> TYPE: DNA
31 <213> ORGANISM: Homo sapiens
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36 acactggcag ctggagatgg cggacacgag atccgtgcac gagactaggt ttgaggcggc 180
37 cgtgaaggtg atccagagtt tgccgaagaa tggttcattc cagccaacaa atgaaatgat 240
38 gcttaaattt tatagcttct ataagcaggc aactgaagga ccctgtaaac tttcaaggcc 300
39 tggattttgg gatcctattg gaagatataa atgggatgct tggagttcac tgggtgatat 360
40 gaccaaagag gaagccatga ttgcatatgt tgaagaaatg aaaaagatta ttgaaactat 420
41 gccaatgact gagaaagttg aagaattgct gcgtgtcata ggtccatttt atgaaattgt 480
42 cgaggacaaa aagagtggca ggagttctga tataacctca gatcttggta atgttctcac 540
43 ttctgctccg aacgccaaaa ccgttaatgg taaagctgaa agcagtgaca gtggagccga 600
44 gtctgaggaa gaagaggccc aagaagaagt gaaaggagca gaacaaagtg ataatgataa 660
45 gaaaatgatg aagaagtcag cagaccataa gaatttggaa gtcattgtca ctaatggcta 720
46 tgataaagat ggctttgttc aggatataca gaatgacatt catgccagtt cttccctgaa 780
47 tggcagaagc actgaagaag taaagcccat tgatgaaaac ttgggggcaaa ctggaaaatc 840
48 tgctgtttgc attcaccaag atataaatga tgatcatgtt gaagatgtta caggaattca 900
49 gcatttgaca agcgattcag acagtgaagt ttactgtgat tctatggaac aatttggaca 960
50 agaagagtet ttagacaget ttacgtecaa caatggacea tttcagtatt acttgggtgg 1020
51 tcattccagt caacccatgg aaaattctgg atttcgtgaa gatattcaag tacctcctgg 1080
52 aaatggcaac attgggaata tgcaggtggt tgcagttgaa ggaaaaggtg aagtcaagca 1140
53 tggaggagaa gatggcagga ataacagcgg agcaccacac cgggagaagc gaggcggaga 1200
54 aactgacgaa ttctctaatg ttagaagagg aagaggacat aggatacaac acttgagcga 1260
55 aggaaccaag ggccggcagg tgggaagtgg aggtgatggg gagcgctggg gctccgacag 1320
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56 agggtcccga ggcagcctca atgagcagat cgccctcgtg ctgatgagac tgcaggagga 1380

Input Set : A:\Cura475c.app

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59 gcccttcgag atgtctcctg gtgtgctaac gtttgccatc atatggcctt ttattgcaca 1560
60 gtggttggtg tatttatact atcaaagaag gagaagaaaa ctgaactgag gaaaatggtg 1620
61 ttttcctcaa gaagactact ggaactggat gacctcagaa tgaactggat tgtggtgttc 1680
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78 Glu Met Ala Asp Thr Arg Ser Val His Glu Thr Arg Phe Glu Ala Ala
            35
                                40
81 Val Lys Val Ile Gln Ser Leu Pro Lys Asn Gly Ser Phe Gln Pro Thr
                            55
84 Asn Glu Met Met Leu Lys Phe Tyr Ser Phe Tyr Lys Gln Ala Thr Glu
                                             75
                        70
87 Gly Pro Cys Lys Leu Ser Arg Pro Gly Phe Trp Asp Pro Ile Gly Arg
                                         90
                    85
90 Tyr Lys Trp Asp Ala Trp Ser Ser Leu Gly Asp Met Thr Lys Glu Glu
                                                        110
               100
                                    105
93 Ala Met Ile Ala Tyr Val Glu Glu Met Lys Lys Ile Ile Glu Thr Met
                               120
96 Pro Met Thr Glu Lys Val Glu Glu Leu Leu Arg Val Ile Gly Pro Phe
                           135
                                                140
99 Tyr Glu Ile Val Glu Asp Lys Lys Ser Gly Arg Ser Ser Asp Ile Thr
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                        150
100 145
102 Ser Asp Leu Gly Asn Val Leu Thr Ser Ala Pro Asn Ala Lys Thr Val
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105 Asn Gly Lys Ala Glu Ser Ser Asp Ser Gly Ala Glu Ser Glu Glu Glu
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106
                180
108 Glu Ala Gln Glu Glu Val Lys Gly Ala Glu Gln Ser Asp Asn Asp Lys
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109
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                                200
111 Lys Met Met Lys Lys Ser Ala Asp His Lys Asn Leu Glu Val Ile Val
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                                                 220
114 Thr Asn Gly Tyr Asp Lys Asp Gly Phe Val Gln Asp Ile Gln Asn Asp
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                                             235
115 225
117 Ile His Ala Ser Ser Ser Leu Asn Gly Arg Ser Thr Glu Glu Val Lys
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120 Pro Ile Asp Glu Asn Leu Gly Gln Thr Gly Lys Ser Ala Val Cys Ile
121
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123 His Gln Asp Ile Asn Asp Asp His Val Glu Asp Val Thr Gly Ile Gln
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126 His Leu Thr Ser Asp Ser Asp Ser Glu Val Tyr Cys Asp Ser Met Glu
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Input Set : A:\Cura475c.app

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   129 Gln Phe Gly Gln Glu Glu Ser Leu Asp Ser Phe Thr Ser Asn Asn Gly
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   132 Pro Phe Gln Tyr Tyr Leu Gly Gly His Ser Ser Gln Pro Met Glu Asn
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                                          330
   135 Ser Gly Phe Arg Glu Asp Ile Gln Val Pro Pro Gly Asn Gly Asn Ile
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                                      345
   138 Gly Asn Met Gln Val Val Ala Val Glu Gly Lys Gly Glu Val Lys His
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   141 Gly Gly Glu Asp Gly Arg Asn Asn Ser Gly Ala Pro His Arg Glu Lys
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   144 Arg Gly Gly Glu Thr Asp Glu Phe Ser Asn Val Arg Arg Gly Arg Gly
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                                              395
   147 His Arg Ile Gln His Leu Ser Glu Gly Thr Lys Gly Arg Gln Val Gly
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                                          410
   150 Ser Gly Gly Asp Gly Glu Arg Trp Gly Ser Asp Arg Gly Ser Arg Gly
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                                      425
   153 Ser Leu Asn Glu Gln Ile Ala Leu Val Leu Met Arg Leu Gln Glu Asp
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                                  440
   156 Met Gln Asn Val Leu Gln Arg Leu Gln Lys Leu Glu Thr Leu Thr Ala
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   159 Leu Gln Ala Lys Ser Ser Thr Ser Thr Leu Gln Thr Ala Pro Gln Pro
                          470
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   162 Thr Ser Gln Arg Pro Ser Trp Trp Pro Phe Glu Met Ser Pro Gly Val
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                      485
  165 Leu Thr Phe Ala Ile Ile Trp Pro Phe Ile Ala Gln Trp Leu Val Tyr
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  175 <213> ORGANISM: Homo sapiens
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                  20
  190 Glu Met Ala Asp Thr Arg Ser Val His Glu Thr Arg Phe Glu Ala Ala
  193 Val Lys Val Ile Gln Ser Leu Pro Lys Asn Asp Ser Phe Gln Pro Thr
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  196 Asn Glu Met Met Leu Lys Phe Tyr Ser Phe Tyr Lys Gln Ala Thr Glu
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Input Set : A:\Cura475c.app

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202	Tyr	Lys	Trp			Trp	Ser	Ser			Asp	Met	Thr			Glu
203	Ala	Mot	Tlo	100	ጥላታ	Wa l	Glu	Glu	105	Lvc	Lve	Tla	Tla	110	Thr	Mot
205	міа	Met	115	мта	ıyı	Val	GIU	120	Met	цуз	цуз	110	125	Giu	1111	Met
	Pro	Met	Thr	Glu	Lys	Val	Glu	Glu	Leu	Leu	Arg	Val	Ile	Gly	Pro	Phe
209		130					135					140				
	Tyr	Glu	Ile	Val	Glu	_	Lys	Lys	Ser	Gly		Ser	Ser	Asp	Ile	
	145 Ser	Val	λνα	T.QII	Glu	150	Tlo	Sor	T.ve	Cvc	155	Glu	Δsn	T. <del></del> 11	Glv	160
215	Dei	Val	Arg	пси	165	цуз	110	DCI	цу	170	пси	Olu	пор	пса	175	71011
	Val	Leu	Thr	Ser	Thr	Pro	Asn	Ala	Lys	Thr	Val	Asn	Gly	Lys	Ala	$\operatorname{Glu}$
218				180					185					190		
	Ser	Ser		Ser	Gly	Ala	Glu		Glu	Glu	Glu	Glu		Gln	Glu	Glu
221			195				_	200			_	_	205			<b>.</b>
223	Val	Lys 210	GLY	Ala	Glu	GIn	Ser 215	Asp	Asn	Asp	ьуs	Lуs 220	мет	мет	ьуs	Lys
	Ser		λen	Uic	Lvc	λen		Glu	Va l	Tla	Va 1		Δgn	Glv	Ψvr	Δsn
	225	AIG	мэр	птэ	цуз	230	цец	GIU	Val	110	235	1111	ASII	GIY	111	240
229	Lys	Asp	Glv	Phe	Val	Gln	Asp	Ile	Gln	Asn	Asp	Ile	His	Ala	Ser	Ser
230	_1		- 1		245		_			250	•				255	
232	Ser	Leu	Asn	Gly	Arg	Ser	Thr	Glu	Glu	Val	Lys	Pro	Ile	Asp	Glu	Asn
233		_		260	_			_	265					270		_
	Leu	Gly		Thr	Gly	Lys	Ser		Val	Cys	Ile	His		Asp	Ile	Asn
236	Asp	7.00	275	37 1	C1	7.00	Wa 1	280	C1.,	Tlo	Cln	иiс	285	Thr	Cor	λαη
239	ASP	290	HIS	vaı	GIU	ASP	295	THE	СТУ	ire	GIII	300	Leu	1 111	ser	ASP
	Ser		Ser	Glu	Val	Tvr		Asp	Ser	Met	Glu		Phe	Gly	Gln	Glu
	305	E				310	-1-	E			315					320
244	Glu	Ser	Leu	Asp	Ser	Phe	Thr	Ser	Asn	Asn	Gly	Pro	Phe	Gln	Tyr	Tyr
245					325					330					335	
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248		<b>-</b> 1 -	<b>01</b>	340	<b>D</b>	<b>D</b>	<b>G</b> 1	<b>3</b>	345	3	T1.	a1	3	350	C1	37 <u>-</u> 1
	Asp	ше	355	vaı	Pro	Pro	GIY	360	СТА	ASII	шe	GIY	365	Met	GIII	Val
251	Val	310		C1	C1	T G	C1		37 n 1	Tria	II i o	C1 11		Clu	A cro	C111
254	Val	370	val	GIU	СТА	гуѕ	375	GIU	Val	гуѕ	птэ	380	СТУ	GIU	мэр	СТУ
	Arg		Δgn	Ser	Glv	Δla		His	Arα	Glu	Lvs		Glv	Glv	Glu	Thr
~	385	AJII	71511	DCI	OLY	390	110	1110	**** 9	Olu	395	**** 9	011	011	Olu	400
	Asp	Glu	Dhe	Ser	Agn		Δrσ	Ara	Glv	Ara		His	Ara	Met	Gln	
260	шьр	Olu	1 110	DCI	405	<b>*</b> 41	9	**** 9	011	410	017		**** 9	1100	415	
	Leu	Ser	Glu	Glv		Lvs	Glv	Ara	Gln		Glv	Ser	Glv	Glv		Glv
263				420		-10	<i>-1</i>	5	425		1		1	430		1
	Glu	Arg	Trp	Gly	Ser	Asp	Arg	Gly	Ser	Arg	Gly	Ser	Leu	Asn	Glu	Gln
266		-	435	_		_	_	440		=	_		445			
	Ile	Ala	Leu	Val	Leu	Met	Arg	Leu	Gln	Glu	Asp	Met	Gln	Asn	Val	Leu
269	<b>63</b>	450		~ 7	_	_	455	-1	_	1		460	<b>~</b> 3		_	~
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Input Set : A:\Cura475c.app

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		Cvc	LOU	T10	_	λla	Asp	λrα	Dro		λen	Λrα	C1v	Gln		Trn
297	Cys	Cys	цец	20	PIO	міа	кэр	Ary	25	111	кэр	AIG	СТУ	30	птэ	111
	Cln	LOU	Clu		λΙα	λαn	Thr	λrα		Wa 1	Uic	Clu	Thr		Dho	Glu
300	GIII	ьeu	35	Met	нта	изр	1111	40	261	vaı	птэ	GIU	45	AI 9	rne	Giu
	λla	λla		T **C	Wa I	T10	Gln		Tou	Dro	Twe	λen		Cor	Dho	Gln
302	на	50	vai	гур	vaı	116	55	Ser	ьеи	PIO	цуз	60	СТУ	261	rne	GIII
	Dro		λαn	Clu	Mo+	Mot	Leu	Tvc	Dho	Птт	Cor		Пттт	Lvc	Cln.	λla
	65	TIIL	ASII	GIU	мес		ьeu	цуъ	Pile	тут	75	Pile	тут	гуз	GIII	80
306		<b>61.</b>	<b>a</b> 1	Dwa	O	70	T 0	Com	7	Dwo		Dho	Птт	7.00	Dwo	
	THE	GIU	СТА	Pro	-	гаг	Leu	Ser	Arg	90	СТУ	Pile	пр	ASP	95	11e
309	<b>01</b>	3		T	85	7	71-	П	<b>G</b>		T a	<b>a</b> 1	7 ~~	Ma+		T
	GIY	Arg	TYL	_	ттр	ASP	Ala	ттр		ser	ьeu	СТА	ASP		TIII	гур
312	<b>61</b>	<b>a</b> 1	21-	100	T1.	31.	П	17.01	105	C1	Wat.	T	T	110	т1.	C1.,
	GIU	GIU		мес	me	Ald	Tyr		GIU	GIU	мес	гуѕ		тте	тте	GIU
315	m1	<b>1</b> / - L	115	<b>1</b> 4~+	m1	<b>a</b> 1	T	120	<b>61</b>	a1	T 0.11	T 0	125	1707	т1 о	<i>a</i> 1
	Thr		PLO	мес	Thr	GIU	Lys	Val	GIU	GIU	ьeu		Arg	vaı	тте	СТА
318	D	130		<b>a</b> 1	<b>-1</b> -	17. 1	135	7	T	T	Co	140	7	Com	Com	N an
		Pne	туг	GIU	ше		Glu	Asp	гуѕ	гуѕ		GIY	Arg	Ser	Ser	
	145	m 1	<b>a</b>	*** 1	7	150	<b>a</b> 1	T	T1_		155	<b>0</b>	T a	<i>α</i> 1	7	160
	тте	Thr	ser	vaı	_	Leu	Glu	гуѕ	тте		гуѕ	Cys	ьeu	GIU	_	ьéп
324	<b>41</b>	•	**- 1	T	165	<b>a</b>	m 1	D	<b>3</b>	170	T	mb	17. 1	N	175	T
	GIY	Asn	vaı		Thr	ser	Thr	Pro		Ala	ьуѕ	THE	vaı		GIY	гуѕ
327		<b>a</b> 1	<b>a</b>	180	•	<b>a</b>	a1		185	<b>G</b>	<b>a</b> 1	<b>a</b> 1	<b>01</b>	190	31-	<b>a</b> 1
							Gly								АТа	GIn
															14 m h	14-±
	GIU		vaı	ьуs	GTA	Ата	Glu	GIN	ser	Asp	ASI		Lys	ьys	меι	мес
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	Tyr	Asp	Lys	Asp		Phe	Val	GIn	Asp		GIn	Asn	Asp	тте		АТА
339	_	_		_	245		_	_	_,	250			_	_	255	_
	Ser	Ser	Ser		Asn	GTA	Arg	Ser		GLu	G1u	val	Lys		ITe	Asp
342	- 2	_	_	260		_,		_	265			_		270	<b>a</b> 1	
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RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/997,425

DATE: 10/21/2002 TIME: 16:04:03

Input Set : A:\Cura475c.app

Output Set: N:\CRF4\10212002\I997425.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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